WHAT IS CLAIMED IS:

1. A method for batch registration of an integrated digital loop carrier (IDLC) subscriber using program loaded data (PLD) of an exchange, comprising:

(a) opening a program loaded data (PLD) file of an exchange selected by a client terminal accessing through a network, and listing and displaying, on a graphical user interface of the client terminal, information relative to subscribers included in the program loaded data (PLD) file;

(b) displaying, on the graphical user interface of the client terminal, shelf information of an integrated digital loop carrier (IDLC) network element which will accept the subscribers included in the program loaded data (PLD) file;

(c) receiving a shelf range in the displayed network element, and displaying the shelf range on the graphical user interface of the client terminal when a mode for designing subscriber constitution by shelves is selected;

(d) receiving a list of a range of the subscribers who will be accepted in the shelf within a designated range of the subscribers, and displaying the list on the graphical user interface of the client terminal; and

(e) transmitting a command for registering the subscribers within the designated range in the shelf within the designated range, performing batch registration of a subscriber for a corresponding shelf, receiving verification information for registration of the subscriber from the corresponding shelf, and displaying a result on the graphical user interface of the client terminal.

1   2. The method of claim 1, wherein step (a) comprises the steps of:

2   opening the program loaded data (PLD) file of the exchange, and storing the subscriber data

3   in a memory in the form of a table;

4   displaying the subscriber data stored in the table in a first area of the graphical user

5   interface of the client terminal; and

6   extracting and displaying, in a second area of the graphical user interface of the client

7   terminal, V5IDs and L3 addresses of each subscriber from the subscriber data stored in the table.

1   3. The method of claim 2, wherein the table comprises subscriber information to enable

2   an operator to search each subscriber data, confirm whether subscribers are PSTN subscribers or

3   general telephone subscribers, and display a result so as to register the subscribers in the

4   corresponding shelf.

1   4. The method of claim 1, wherein step (b) comprises displaying a list of shelves of the

2   element, a number of slots in a subscriber line unit set up in each shelf, and a total number of

3   available ports.

1   5. A recording medium which is executed by a computer device, and which includes an

2   electromagnetically-stored program for performing a method for batch registration of an integrated

3   digital loop carrier (IDLC) subscriber using a program loaded data (PLD) of an exchange, said

4   method comprising:

5   (a) opening a program loaded data (PLD) file of an exchange selected by a client terminal

6   accessing through a network, and listing and displaying, on a graphical user interface of the client

7   terminal, information relative to subscribers included in the program loaded data (PLD) file;

8   (b) displaying, on the graphical user interface of the client terminal, shelf information of

9   an integrated digital loop carrier (IDLC) network element which will accept the subscribers

10   included in the program loaded data (PLD) file;

11   (c) receiving a shelf range in the displayed network element, and displaying the shelf range

12   on the graphical user interface of the client terminal when a mode for designing subscriber

13   constitution by shelves is selected;

14   (d) receiving a list of a range of the subscribers who will be accepted in the shelf within

15   a designated range of the subscribers, and displaying the list on the graphical user interface of the

16   client terminal; and

17   (e) transmitting a command for registering the subscribers within the designated range in

18   the shelf within the designated range, performing batch registration of a subscriber for a

19   corresponding shelf, receiving verification information for registration of the subscriber from the

20   corresponding shelf, and displaying a result on the graphical user interface of the client terminal.

1   6. The recording medium of claim 5, wherein step (a) comprises the steps of:

2   opening the program loaded data (PLD) file of the exchange, and storing the subscriber data

3   in a memory in the form of a table;

4   displaying the subscriber data stored in the table in a first area of the graphical user

5   interface of the client terminal; and

6   extracting and displaying, in a second area of the graphical user interface of the client

7   terminal, V5IDs and L3 addresses of each subscriber from the subscriber data stored in the table.

1   7. The recording medium of claim 6, wherein the table comprises subscriber information

2   to enable an operator to search each subscriber data, confirm whether subscribers are PSTN

3   subscribers or general telephone subscribers, and display a result so as to register the subscribers

4   in the corresponding shelf.

1   8.   The recording medium of claim 5, wherein step (b) comprises displaying a list of

2   shelves of the element, a number of slots in a subscriber line unit set up in each shelf, and a total

3   number of available ports.

1   9.   An element management system server, comprising:

2   storing and display means for storing at least one exchange program loaded data (PLD), for

3   opening a program loaded data (PLD) file of an exchange selected by a client terminal linked to

4   the server through a network, and for listing and displaying, on a graphical user interface of the

5   client terminal, information relative to subscribers included in the program loaded data (PLD) file

6   according to input information from the client terminal;

7   display means for displaying, on the graphical user interface of the client terminal, shelf

8   information of an integrated digital loop carrier (IDLC) network element which will accept the

9   subscribers included in the program loaded data (PLD) file;

10   receiving and displaying means for receiving a shelf range in the displayed network

11   element, and for displaying the shelf range on the graphical user interface of the client terminal

12   when a mode for designing subscriber constitution by shelves is selected;

13   additional receiving and displaying means for receiving a list of a range of the subscribers

14   who will be accepted in the shelf within a designated range of the listed subscribers, and for

15   displaying the list on the graphical user interface of the client terminal; and

16   transmitting means for transmitting a command for registering the subscribers within the

17   designated range in the shelf within the designated range, for performing batch registration of a

18   subscriber for a corresponding shelf, for receiving verification information for registration of the

19   subscriber from the corresponding shelf, and for displaying a result on the graphical user interface

20   of the client terminal.

1   10.   The element management system server of claim 1, wherein the storing and display

2   means opens the program loaded data (PLD) file of the exchange, stores the subscriber data in a

3   memory in the form of a table, displays the subscriber data stored in the table in a first area of the

4   graphical user interface of the client terminal, and extracts and displays, in a second area of the

5   graphical user interface of the client terminal, V5IDs and L3 addresses of each subscriber from the

6   subscriber data stored in the table.

1   11.   The element management system server of claim 10, wherein the table comprises

2   subscriber information to enable an operator to search each subscriber data, confirm whether

3   subscribers are PSTN subscribers or general telephone subscribers, and display a result so as to

4   register the subscribers in the corresponding shelf.

1   12.   The element management system server of claim 9, wherein the display means

2   displays a list of shelves of the element, a number of slots in a subscriber line unit set up in each

3   shelf, and a total number of available ports.